

Fig. 1a

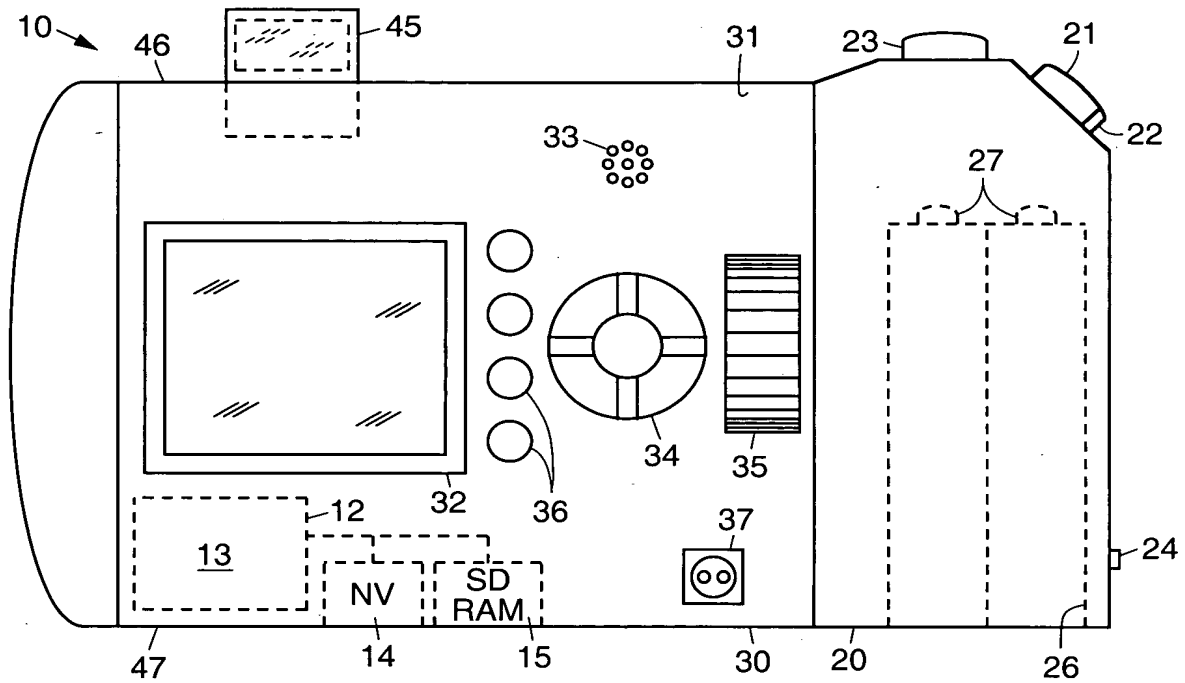


Fig. 1b

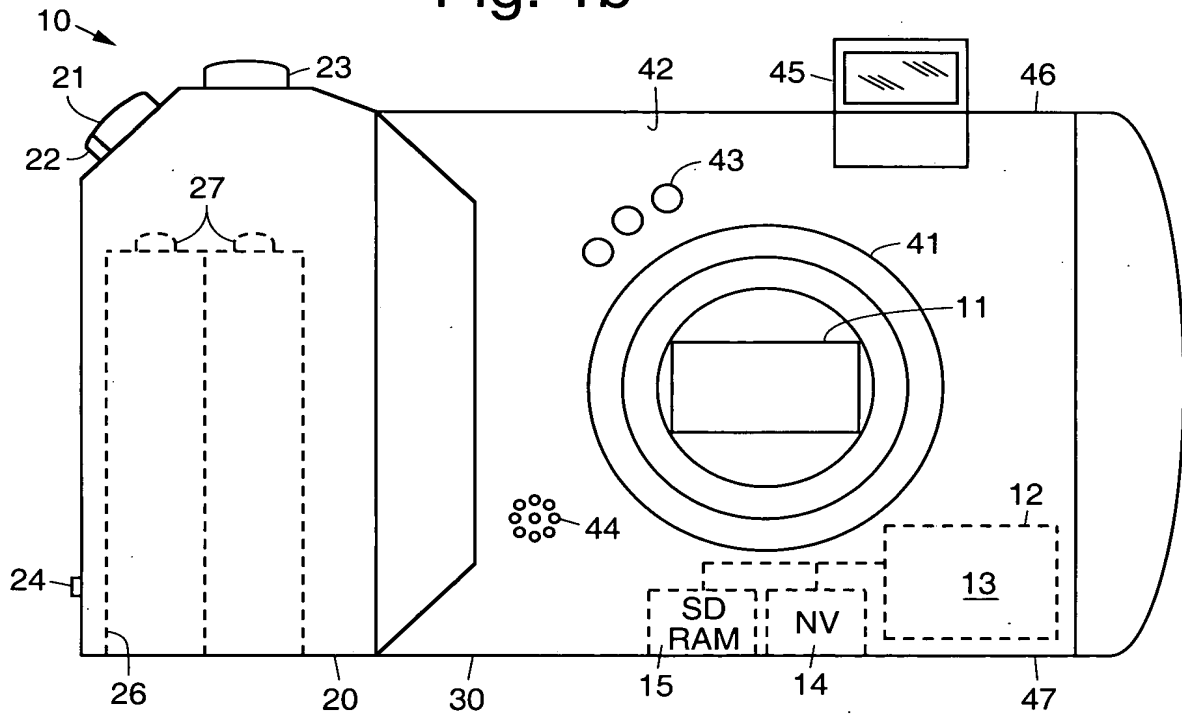


Fig. 2

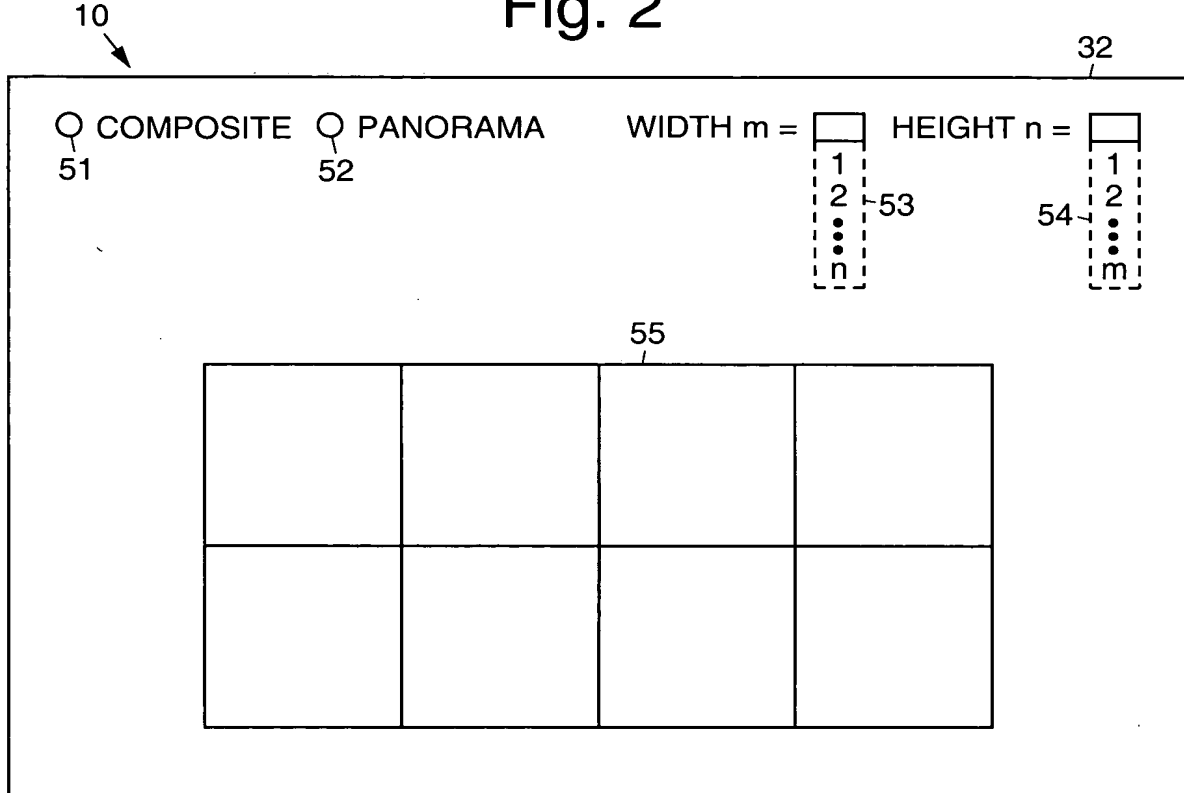
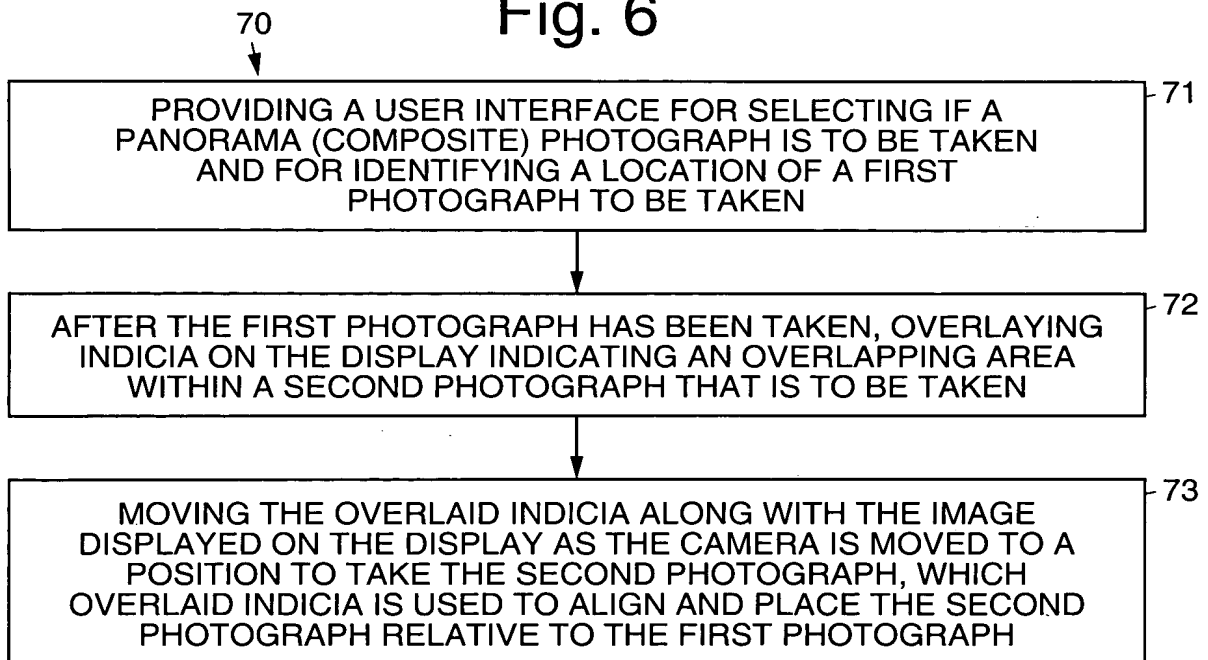
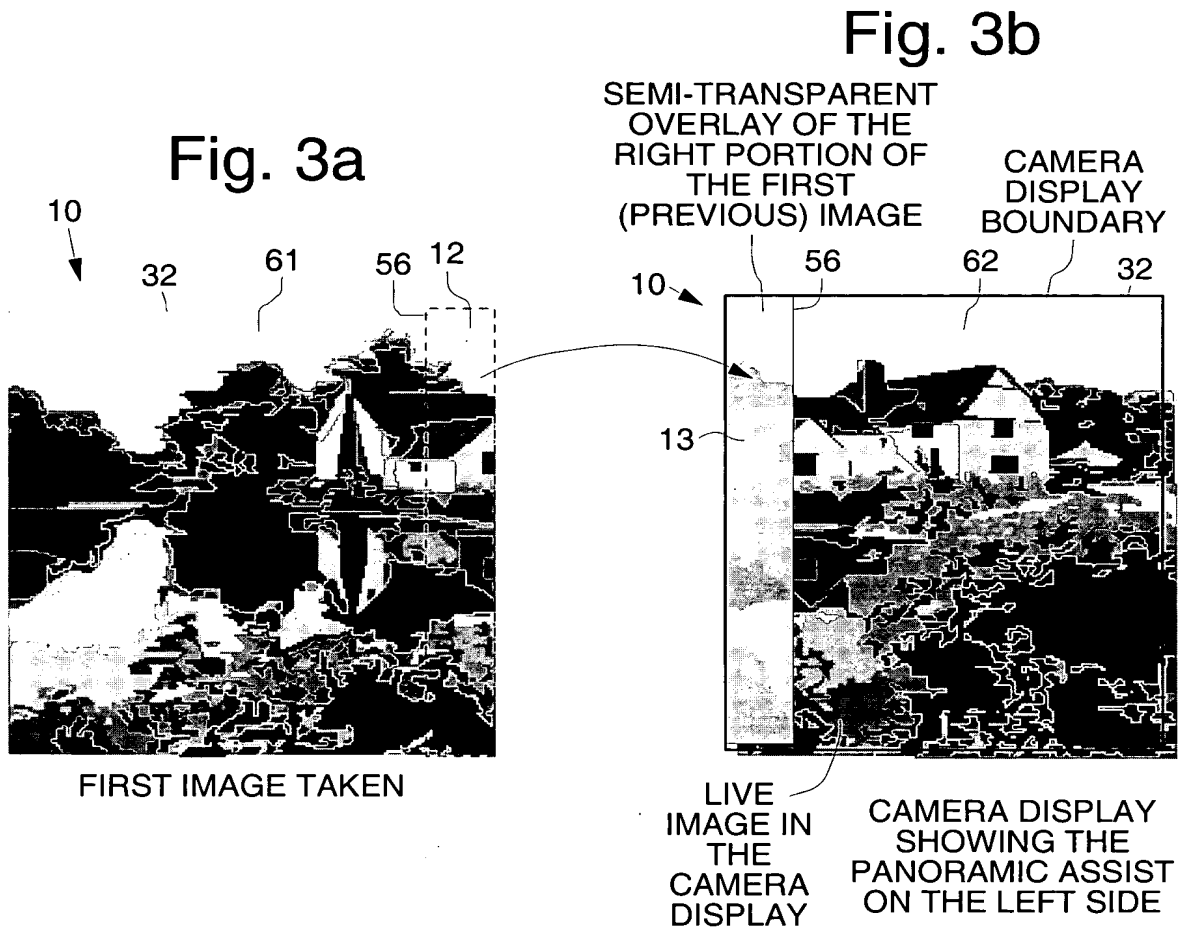


Fig. 6



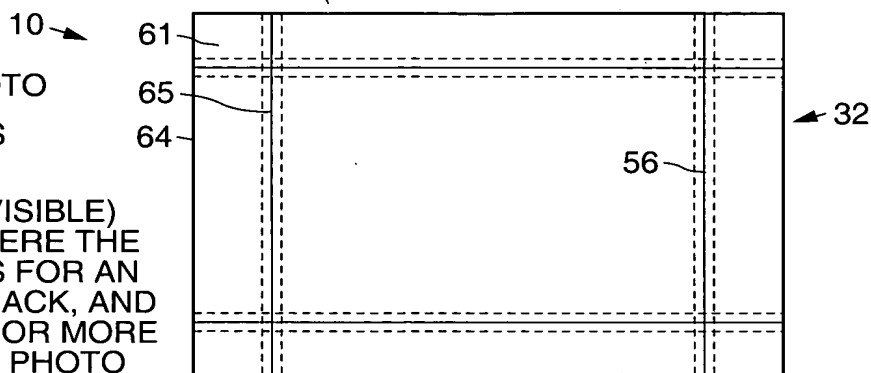


**Fig. 4a**

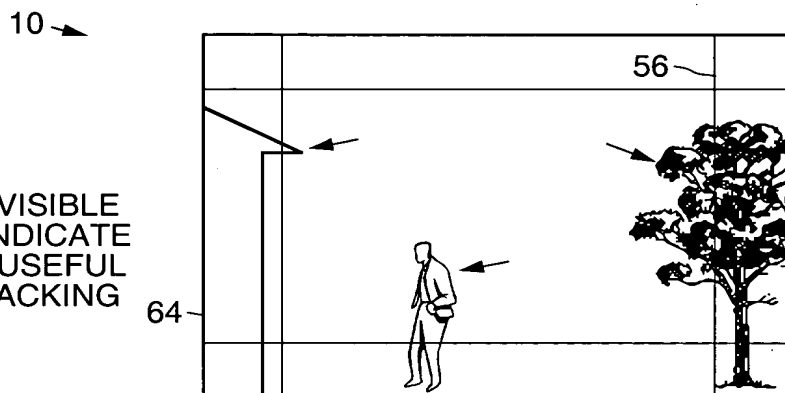
A USER TAKES A PHOTO

SOLID GUIDE LINES  
ARE DISPLAYED

DOTTED LINES (NOT VISIBLE)  
INDICATE REGIONS WHERE THE  
ALGORITHM SEARCHES FOR AN  
EDGE OR OBJECT TO TRACK, AND  
TRIES TO IDENTIFY ONE OR MORE  
ON EACH SIDE OF THE PHOTO

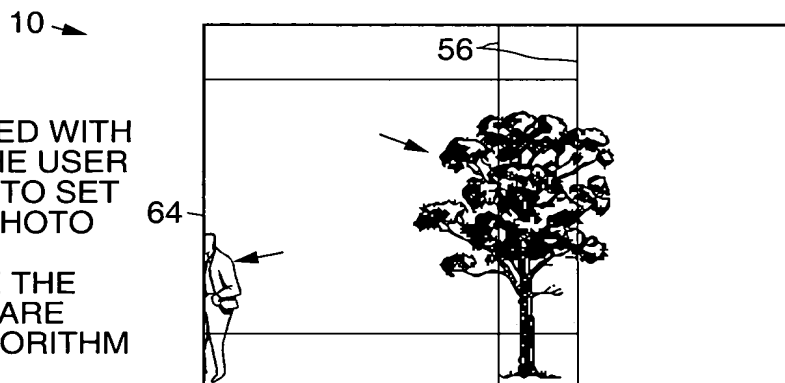
**Fig. 4b**

ARROWS (NOT VISIBLE  
TO THE USER) INDICATE  
POTENTIALLY USEFUL  
EDGES FOR TRACKING

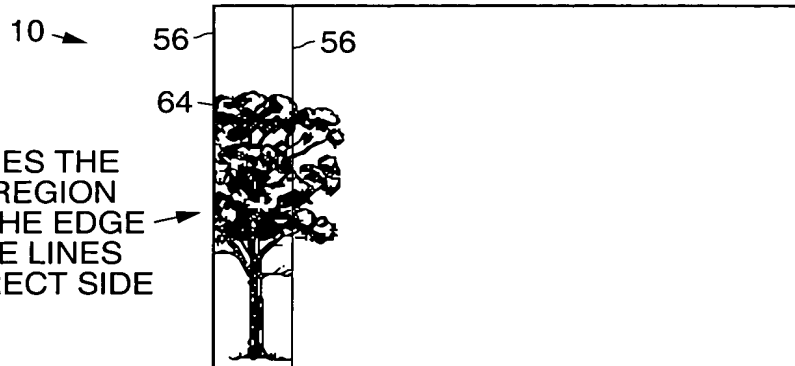
**Fig. 4c**

GUIDELINES ARE MOVED WITH  
THE LIVE IMAGE AS THE USER  
MOVES THE CAMERA TO SET  
UP FOR THE NEXT PHOTO

ARROWS INDICATE THE  
LOCATIONS THAT ARE  
TRACKED BY THE ALGORITHM

**Fig. 4d**

THE USER PLACES THE  
OVERLAPPING REGION  
CORRECTLY AT THE EDGE  
BY PUTTING THE LINES  
ALONG THE CORRECT SIDE

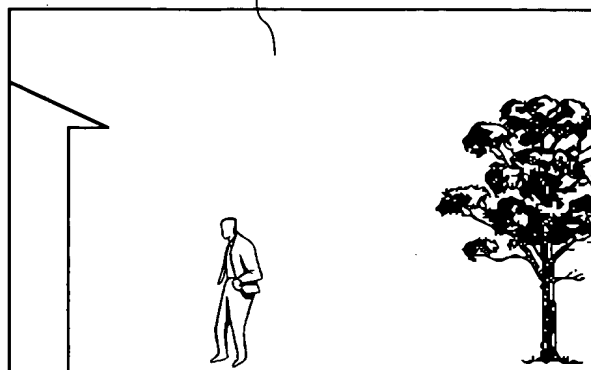


**Fig. 5a**

10 →

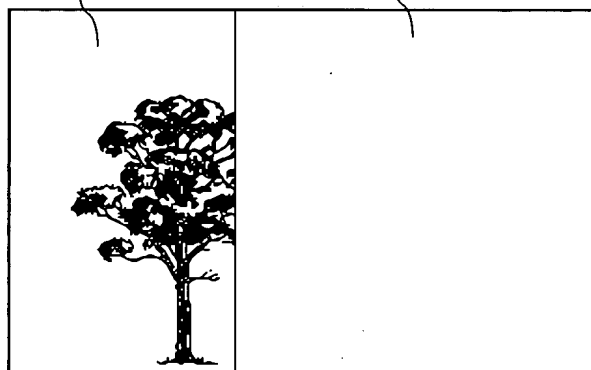
A USER TAKES A PHOTO  
 THE USER PRESSES  
 "PANORAMA/COMPOSITE"  
 THE IMAGE CHANGES TO  
 TRANSPARENT OVERLAY  
 WITH THE LIVE IMAGE ALSO  
 DISPLAYED BENEATH IT  
 THE USER PRESSES "←"

INITIAL PHOTO

**Fig. 5b**

10 →

TRANSPARENT IMAGE  
 "SLIDES" OVER THE THE  
 USER-INDICATED SIDE

TRANSPARENT  
OVERLAYLIVE DISPLAY  
UNDERNEATH**Fig. 5c**

10 →

THE USER MOVES THE CAMERA  
 TO ALIGN THE LIVE IMAGE WITH  
 THE CORRECTLY-POSITIONED  
 TRANSPARENT OVERLAY FOR  
 OPTIMAL RESULTS

THE CAMERA CAN ALSO STORE  
 INFORMATION RELATED TO THE  
 SEQUENCE OF THE PHOTOS  
 AND THEIR POSITIONS  
 RELATIVE TO ONE ANOTHER

OVERLAY  
FINAL  
POSITION

SUBSEQUENT PHOTO

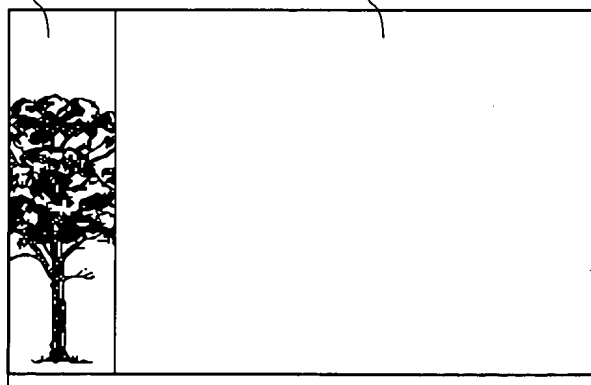


Fig. 7

